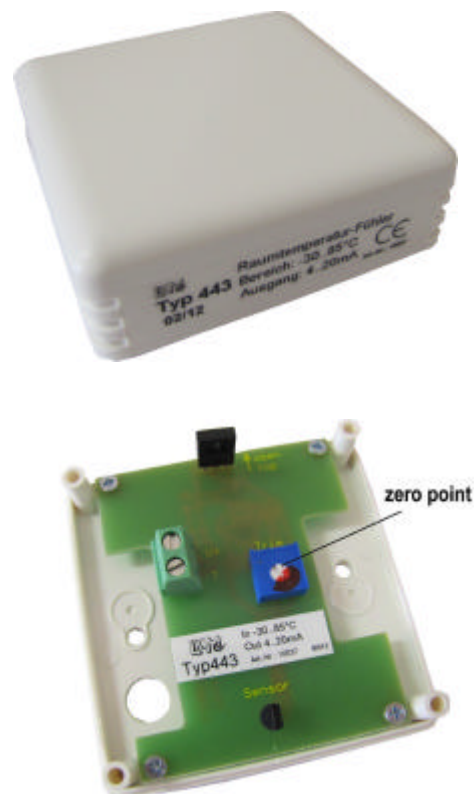


LKM 443 Room temperature sensor with integrated measurement for wall mounting, 4..20mA

Functional Description

The LKM443 device is a very economical room temperature sensor with integrated measurement converter and current output 4..20mA. It is suitable for direct connection to evaluation equipment with current input such as PC cards or PLCs. The LKM 443 has a typical accuracy of 0.5°C. The sensor is supplied in a fully calibrated state. Smaller corrections can be performed on site by means of an adjuster. Because of its construction this room temperature sensor is only suitable for installation in enclosed spaces. When the sensor is installed care must be taken that it is in the correct orientation. The level of protection is IP20. The maximum measurement range lies between -30 and 85°C. In addition to the standard measurement ranges, other ranges can be supplied to meet customer requirements.



Technical Data

Input:	HL-Sensor
Measurement range:	-30..85°C
Loop voltage:	15..35V DC
Output:	4 ..20mA
Measuring error:	typ. 0.5°C
Maximum error:	0.8°C
Load:	max. 700Ohm at 24V
Operating temp. range:	-30..85°C
Storage temp. range:	-40..90°C
Humidity:	<95%
Type of terminals:	screw terminals
Clamping range	0.13..1.5mm ²
Dimensions:	70x70x25mm (wxdxh)
Weight:	appr. 20g
Housing:	PVC white
Warranty:	2 years
EMC	
Emission and Noise immunity:	EN 61000-6-3:2001 EN 61000-6-2:2001

Schematic Diagram

